

# MILITARY APPLICATIONS FOR EMERGING WATER USE TECHNOLOGIES

*Enhancing Water Access, Conservation, & Reuse  
Through Emerging Technologies*

WORKSHOP  
NOVEMBER 12-14, 2008  
URBANA, IL



## *Keynote Speaker:*

**BG Jeffrey Talley**  
**Commander, 926th Engineer Brigade**  
**4th Infantry Division, Multi-National**  
**Division, Baghdad, Iraq**

**LIVE VIA VIDEOTELECONFERENCE**

## *Sponsors:*

*U.S. Army Corps of Engineers, CASI*  
*University of Illinois WaterCAMPWS*  
*SERDP - ESTCP*  
*Army Research Office*

WEBSITE & REGISTRATION: [WWW.CONFERENCES.UIUC.EDU/CAMPWS](http://WWW.CONFERENCES.UIUC.EDU/CAMPWS)

# SUSTAIN THE MISSION, SECURE THE FUTURE

To ensure sustainable water use and wise stewardship of valuable natural resources, the U.S. military seeks to enhance water access, conservation, and reuse through the proactive implementation of emerging technologies. This workshop is intended to help identify emerging science and technology solutions that can potentially be used to help secure the military's future water supplies. It also will identify basic and applied science, testing, and demonstration investments that may be necessary to bring emerging solutions into military operations for forward, mobile, and fixed facilities.

The workshop is sponsored by the U.S. Army Engineer Research and Development Center (ERDC), Center for the Advancement of Sustainability Innovations (CASI); the University of Illinois (UIUC) Center of Advanced Materials for the Purification of Water with Systems (WaterCAMPWS - a National Science Foundation Science and Technology Center); Strategic Environmental Research and Development Program (SERDP); Environmental Security Technology Certification Program (ESTCP); and the Army Research Office (ARO), Environmental Science Division.

## REGISTRATION:

[www.conferences.uiuc.edu/campws](http://www.conferences.uiuc.edu/campws)

# ACCOMMODATIONS

**Holiday Inn Hotel & Conference Center**  
**1001 Killarney Street**  
**Urbana, IL 61802**  
**Reservations: 217-328-7900**

The hotel is holding a block of sleeping rooms for November 12-13 at a rate of \$80 single/double occupancy plus tax. Be sure to mention that you are with the Water Reuse Workshop to obtain the special room rates. The room block is reserved until October 15, 2008. Reservations requested after this date will be made on a rate and space available basis.

# CONFIRMED PRESENTERS

Keynote: **BG Jeffrey Talley**, Commander, 426th EN BDE, 4th ID, Multi-National Division, Baghdad (VTC)  
**Mark Shannon**, Director, Water CAMPWS, UIUC  
**Rob Renner**, Executive Director, Awwa Research Foundation  
**Jeff Mosher**, Executive Director, National Water Research Institute  
**Mike Hightower**, Distinguished Member - Technical Staff, Sandia National Laboratories  
**Dr. Cindy Daniell**, Defense Advanced Research Projects Agency (DARPA/DSO)

# PLANNING COMMITTEE

**William D. Goran**, ERDC-CERL, Director, CASI, [william.d.goran@us.army.mil](mailto:william.d.goran@us.army.mil), 217-373-6735  
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**Kurt Preston**, Chief, Environmental Sciences Division, Army Research Office, 919-549-4234, [kurt.preston@us.army.mil](mailto:kurt.preston@us.army.mil)  
**Mal McLeod**, U.S. Army Corps of Engineers, 202-761-0632, [malcolm.e.mcleod@usace.army.mil](mailto:malcolm.e.mcleod@usace.army.mil)  
**David Sheets**, Senior Fellow, Army Environmental Policy Institute, 703-604-2310, [david.a.sheets@us.army.mil](mailto:david.a.sheets@us.army.mil)  
**Richard Sustich**, WaterCAMPWS, [sustich@ad.uiuc.edu](mailto:sustich@ad.uiuc.edu)  
**Richard Scholze**, ERDC-CERL, [richard.j.scholze@us.army.mil](mailto:richard.j.scholze@us.army.mil), 217-398-5590

*Contact any of the above for questions about the workshop*

# AGENDA (AS OF OCT 28)

## Wednesday, November 12, 2008

2:00 – 2:15 PM	Welcome and Opening Remarks
2:15 – 2:40 PM	Emerging Issues in the Global Water Arena
2:40 – 3:00 PM	White Paper Presentation – Challenges and Water Technology Objectives at Fixed Facilities
3:00 – 3:20 PM	White Paper Presentation – Challenges and Water Technology Objectives for Forward Operations
3:20 – 3:35 PM	Break
3:35– 4:00 PM	Water Technology Research at AwwaRF
4:00 – 4:25 PM	Water Technology Research at the National Water Research Institute
4:25 – 4:50 PM	Water Technology Research at Sandia National Laboratories
4:50 – 5:15 PM	Water Technology Research at WaterCAMPWS
5:15 - 5:35 PM	DARPA MANTRA Program
5:40 PM	Adjourn for Dinner

## Thursday, November 13, 2008

8:00 - 8:15 AM	Morning Welcome and Objectives for Breakout Sessions
8:15 – 11:00 AM	(Break 10:00 -10:15 AM) Breakout Session – Technology Needs for Enhancing Water Supply from Traditional and Alternative Sources (Facilitators)
11:00 – 11:30 AM	Shuttle to University Campus
11:30 AM – 12:30 PM	Lunch and Keynote Presentation by BG Jeff Talley (Live VTC)
2:30 PM – 2:15 PM	Facility tours A – Ven Te Chow Hydrosystems Laboratory B – WaterCAMPWS / Civil and Environmental Engineering Department Virology Laboratories
2:15 – 2:45 PM	Break and Return to Hotel
2:45 – 5:30 PM	(Break 4:15 – 4:30 PM) Breakout Session – Technology Needs for Facility-Wide Sustainable Water Management (Facilitators)
5:30 PM	Adjourn for Dinner

## Friday, November 14, 2008

8:00 – 11:45 AM	(Break 10:00 – 10:15 AM) Breakout Session – Technology Needs for Forward Facilities and Unique Environments (Facilitators)
10:45 – 11:45 AM	Report-out From Breakout Sessions
11:45 – 12:00 Noon	Closing Remarks and Next Steps
12:00 Noon	General Meeting Adjourn
12:00 Noon – 3:00 PM	Volunteer Report Authors' Meeting





*Emerging technologies can help ensure sustainable water resources for the U.S. military*

## REGISTER TODAY! ALSO AVAILABLE:

PRE-CONFERENCE WHITE PAPERS (TO BE EMAILED TO REGISTRANTS PRIOR TO WORKSHOP)

- Challenges and Water Technology Objectives at Fixed facilities (Richard Scholze)
- Challenges and Water Technology Objectives for Forward Operations (Gary Gerdes)
- Water Technology Research Landscape – Civilian Agencies, Academics, and Trade Organizations (Richard Sustich)

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